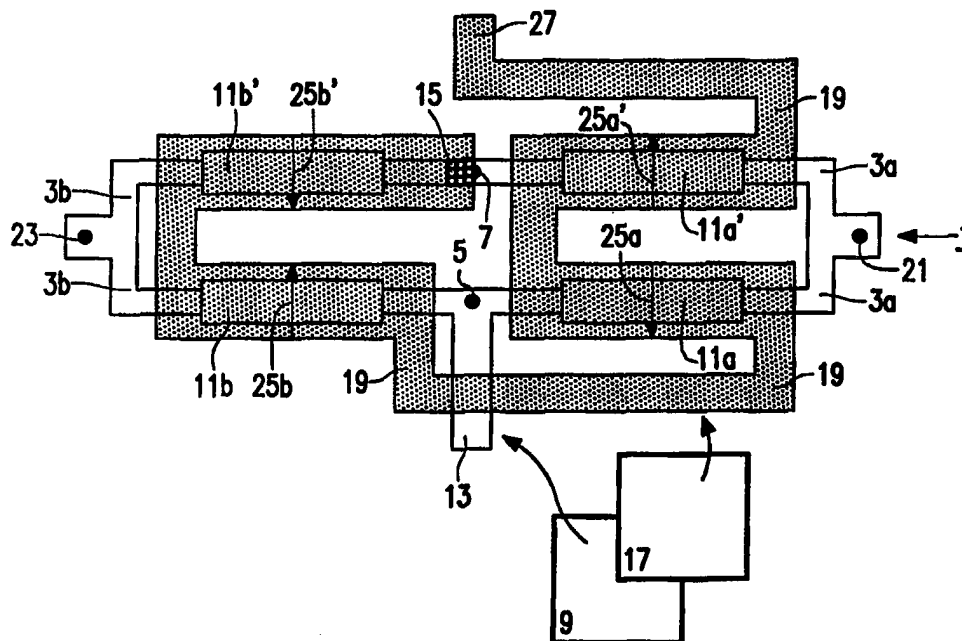




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(54) Title: MAGNETIC FIELD SENSOR COMPRISING A WHEATSTONE BRIDGE



(57) Abstract

A magnetic field sensor comprising: a plurality of resistive elements (11a, 11a'; 11b, 11b') in a Wheatstone bridge configuration (1), whereby at least one element demonstrates a magneto-resistive effect; means for causing a measurement current to pass from a first point (5) through the bridge (1) to a second point (7); a conductive track (19) which runs in proximity to the resistive elements (11a, 11a'; 11b, 11b') but is electrically insulated therefrom, for the purpose of magnetically biasing the resistive elements with a biasing current, whereby the second point (7) is electrically connected to the conductive track (19), so that the measurement current is also employed as the biasing current.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 98/00331

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: G01R 33/09, G11B 5/39, H01L 43/08

According to International Patent Classification (IPC) or to both national classification and IPC

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9638739 A1 (SIEMENS AKTIENGESELLSCHAFT), 5 December 1996 (05.12.96), figures 3-5, abstract --	1-9
A	WO 9638738 A1 (SIEMENS AKTIENGESELLSCHAFT), 5 December 1996 (05.12.96), figures 1,2, abstract --	1-9
A	DE 19520178 A1 (SIEMENS AG), 5 December 1996 (05.12.96), figure 3, abstract --	1-9
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Information on patent family members

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